

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Norwalk Substation**

**Date:** March 2, 2006

**Inspector:** Lee Curtis

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** Approximately 0.36" of precipitation fell mostly in the form of snow on 3/2 as reported by NOAA.

| Areas of Inspection                | Observation  | Recommended Action   |
|------------------------------------|--|--|
| Access Roads and Adjacent Roadways | - The catch basin near the Route 7 ramp receives a lot of off-site stormwater, and erosion and sedimentation of roadway sand is occurring here. 12/22-3/2/06.  | -The area should no longer be affected by any onsite sediment. The access road is paved and the swale is vegetated. The silt fence could be removed. 12/1-3/2/06.  |
| Foundation construction            | - Little "soil-disturbing" work was occurring on site. Some structural and electrical work was ongoing in and near the GIS building. Some work continues on adjacent structures. 2/9-3/2/06.<br><br>- Some work continues within the live yard. 3/2/06   | -None at this time. The site remains largely contained. 3/2/06.<br><br>- None at this time. Work remains controlled. 3/2/06  |
| Erosion and Sediment Controls      | - The overflow channel and natural overflow area had low flow of water at the time of inspection. 3/2/06.<br><br>- Sediment accumulation continues in the stone onsite at one of the access gates. This is a result of offsite stormwater and roadway sand 1/4-3/2/06.<br><br>- Some sedimentation was noted at the top of the | -None at this time. 3/2/06.<br><br>- Monitor stormwater flow and drainage patterns when possible. Watch for any erosive flows off site. This is not a result of any work related issues. 1/4-3/2/06.<br><br>- This remains contained to the site and appears to be |

| Areas of Inspection  | Observation  | Recommended Action  |
|--|--|---|
|  | perimeter swale near the Rt. 7   |   |
| Erosion and Sediment Controls continued                                    | ramp. 3/2/06<br>-Erosion controls remain in place across the Norwalk River as a result of soil testing. This was not immediately part of the substation work. 2/22-3/2/06. | related to road sanding. 3/2/06<br>-This is not under the jurisdiction of the current substation work docket. 2/2-3/2/06.   |
| Inland Wetland and Watercourse encroachment and mitigation                 | - Some minor erosion was noted along the top of slope along the overflow channels 1/19-3/2/06.   | - None at this time but consider re-vegetating during the growing season. 3/2/06<br>- Vegetation within the channel is growing well.  |
| State species of concern, threatened and endangered species                | - No species of concern are located in this area of construction.  | - N/A   |
| Vegetative clearing limits (including trees to save or danger trees noted) | -No additional clearing is needed at this time. 3/2/06.  | - Clearing was limited to what is necessary and it will continue to be monitored. 3/2/06.   |
| Dewatering   | -Dewatering was not observed during this inspection. 3/2/06.   | -None at this time. 3/2/06.   |
| Blasting   | - No blasting is occurring on site at this time and it is not anticipated to be necessary.   | - None at this time.  |
| Spills and Material Storage  | - Recent snow cover was present which precluded observation of leaks or drips on the site. 3/2/06  | In general:<br>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.<br>- The contractors should remain vigilant about securing and handling fuel and all other material containers due to the sensitivity of the area.<br>- Report spills to the office immediately, even if they are being controlled.<br>- Take care not to get carried away and to be vigilant when refueling.<br>- All fuels and agents not in use should be covered and stored in the sheds and trailers before leaving for the day. |

| Areas of Inspection     | Observation  | Recommended Action  |
|-------------------------|--|---|
| Additional Observations | - Numerous waterfowl were noted in the constructed channel. 3/2/06 | - The channel appears to provide some beneficial wildlife value. 3/2/06 |

### Plumtree Substation

**Date:** March 2, 2006

**Inspector:** Diana Walden

**Location:** Plumtree Substation Expansion, Bethel

**Storm/**

**Rain Event:** Approximately 0.36" of precipitation fell mostly in the form of snow on 3/2 as reported by NOAA.

| Areas of Inspection   | Observation   | Recommended Action   |
|---|---|--|
| Access Roads  | - Trenching continued in the driveway to the substation as part of the 345kV XLPE work. 2/23-3/2/06.  | - Work remains well contained and does not involve the substation yard. 3/2/06<br>-If the driveway needs to be plowed, keep snow/sediment piles away from the wetland swales adjacent to the driveway. 1/4-3/2/06. |
| Foundation construction   | -Any remaining work is within the control house.3/2/06<br><br>-No further civil or earth disturbing work was noted on site at this time. However, 345kV XLPE trenching is occurring in the driveway 3/2/06.   | - The areas are all contained at this time. 3/2/06.<br><br>- Work is well contained at this time. See the XLPE report for details. 3/2/06.   |
| Erosion and Sediment Controls<br>(includes inspection within 24 hours of a storm event) | - Although no silt fence is in place, the perimeter stone berm continues to work well to control the yard. 3/2/06.<br><br>- The small remaining piles of sand/soil are not covered in plastic but are well within the site. 3/2/06.<br>- A small stockpile remains adjacent to the slab but was well within the site. 3/2/06. | -All stockpiles are well-contained and the berm is working effectively at this time. 3/2/06.<br><br>-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2/06.                            |

| Areas of Inspection  | Observation  | Recommended Action  |
|--|--|---|
| Inland Wetland and Watercourse encroachment and mitigation                 | - Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 3/2/06.  | - The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 3/2/06.   |
| State species of concern, threatened and endangered species                | - The sand pile has been surrounded with safety fence but there seems to be little evidence of a valid nest at this point. 8/19-3/2/06<br>- The pile may be removed when necessary. 9/15-3/2/06. | - Everyone at the substation also remains aware and will move machinery carefully in case the individual turtle returns in the spring. The nest does not appear to be valid at this time. 3/2/06.   |
| Vegetative clearing limits (including trees to save or danger trees noted) | - No vegetation outside of the substation yard will need to be cleared during the expansion work.  | - N/A   |
| Dewatering   | - Dewatering was not observed in the yard during the inspection but it has been necessary for the 345kV work. 3/2/06.  | - None at this time. Water is well contained by the project contractors. 3/2/06.  |
| Blasting   | - No blasting is occurring on site at this time.   | - None at this time.  |
| Spills and Material Storage  | - Snow cover precluded any observation of leaks or drips at the site at the time of inspection but there has been no construction equipment movement on site for months. 3/2/06                  | - The contractors should remain vigilant about securing and handling fuel containers.<br>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.<br>- Report spills to the office immediately, even if they are being controlled. |
| Additional Observations  | - Following completion of a few future scheduled activities, this substation can be removed from the inspection route. 3/2/06  |   |

**Next likely scheduled inspection:**

Thursday, March 9, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden



Norwalk Substation: Photo on the left shows work continuing within the live yard. Photo on the right shows where erosion controls were left in place following soil testing across the Norwalk River. This work is not technically reviewed under the current phase of work. 3/2/06.



Photo on the left shows the use of the constructed overflow swale by waterfowl. Photo on the right shows the access drive to Plumtree Substation where trenching for the 345kV XLPE portion of the project is occurring. Work is well contained to the driveway at this time. 3/2/06